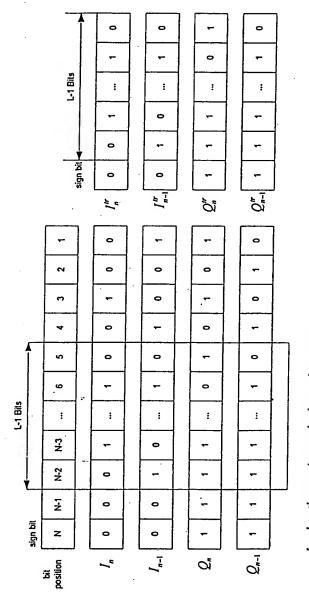


analog front-end 100

BPF Complex Band Pass Filter Control VCO 201

VCO 202 circuit 205

710 2



 I_{n-1} has the max imum absolute value among $I_{n-1}, I_n, Q_n, Q_{n-1}$ i=N-2

FIG. 3

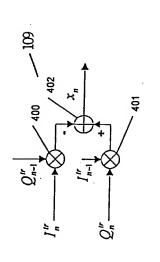
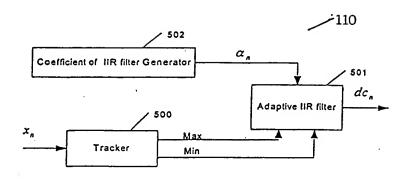


FIG. 4



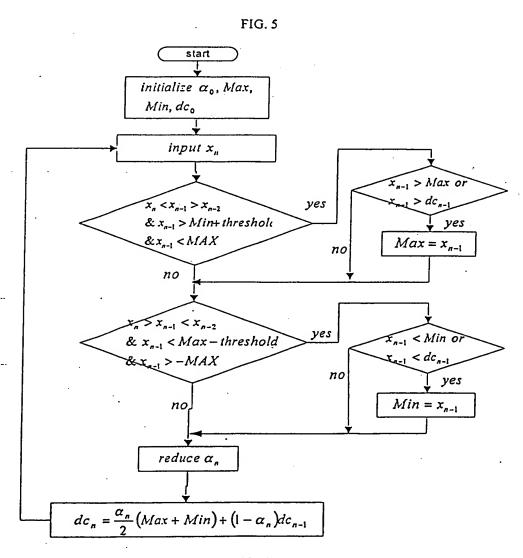


FIG. 6

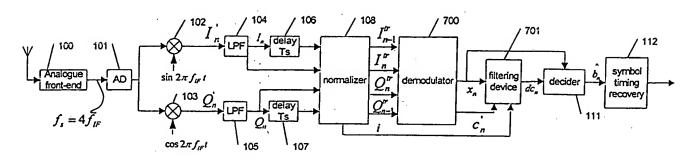


FIGURE 7

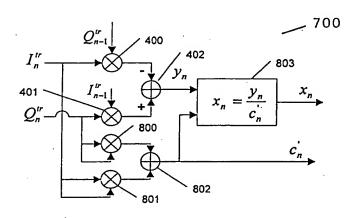


FIG. 8

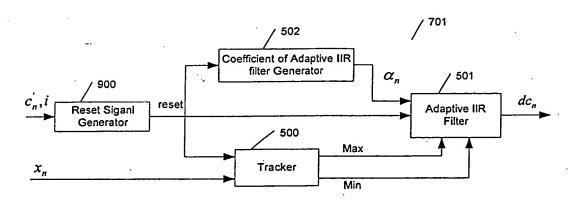


FIG. 9

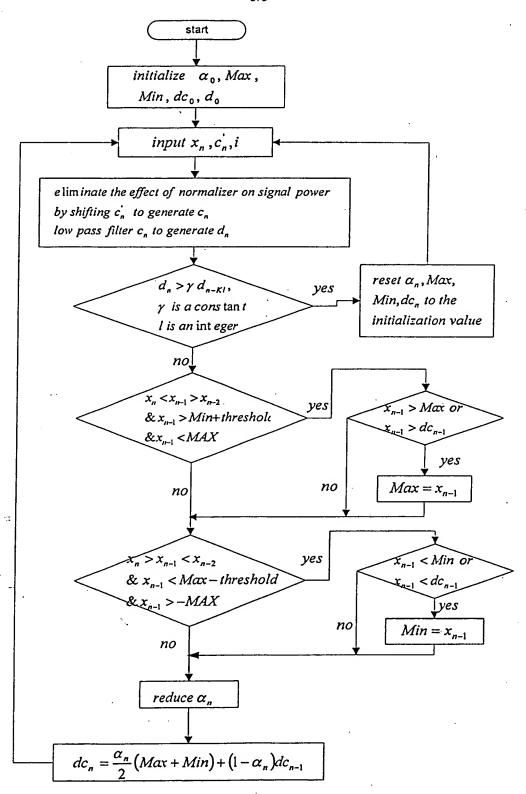


FIG. 10